Indiana Department of Environmental Management
Office of Water Quality
Wetlands Section

Publication Date:
March 22, 2007

Closing Date:
April 11, 2007

PUBLIC NOTICE

IDEM ID Number:
2006-672-26-JWR-A

Corps of Engineers ID Number:
LRL-2006-1113-cmh

To all interested parties:

This letter shall serve as a formal notice of the receipt of an application for **Section 401 Water Quality Certification** by the Indiana Department of Environmental Management (IDEM). The purpose of the notice is to inform the public of active applications submitted for water quality certification under Section 401 of the Clean Water Act (33 U.S.C. § 1341) and to solicit comments and information on any impacts to water quality related to the proposed project. IDEM will evaluate whether the project complies with Indiana's water quality standards as set forth at 327 IAC 2.

1. Applicant:
Mr. Paul Kurzanski
CSX Transportation, Inc.
500 Water Street, J-275
Jacksonville, FL 32202

2. Agent:
Mr. Bernard Voor
AMEC Earth and Environmental, Inc.
3800 Ezell Road, Suite 100
Nashville, TN 37211

3. Project location: Sections 25 & 36, Township 2 South, and Sections 1, 12, & 13, Township 3 South, Range 11 West, Gibsoon County, Princeton USGS Quad.
The King Yard is located east of the existing CSX Track between CR 350 South and CR 600 South.

4. Affected waterbody: Jurisdictional Tributaries to the West Fork Pigeon Creek and 0.33 acre of adjacent wetland

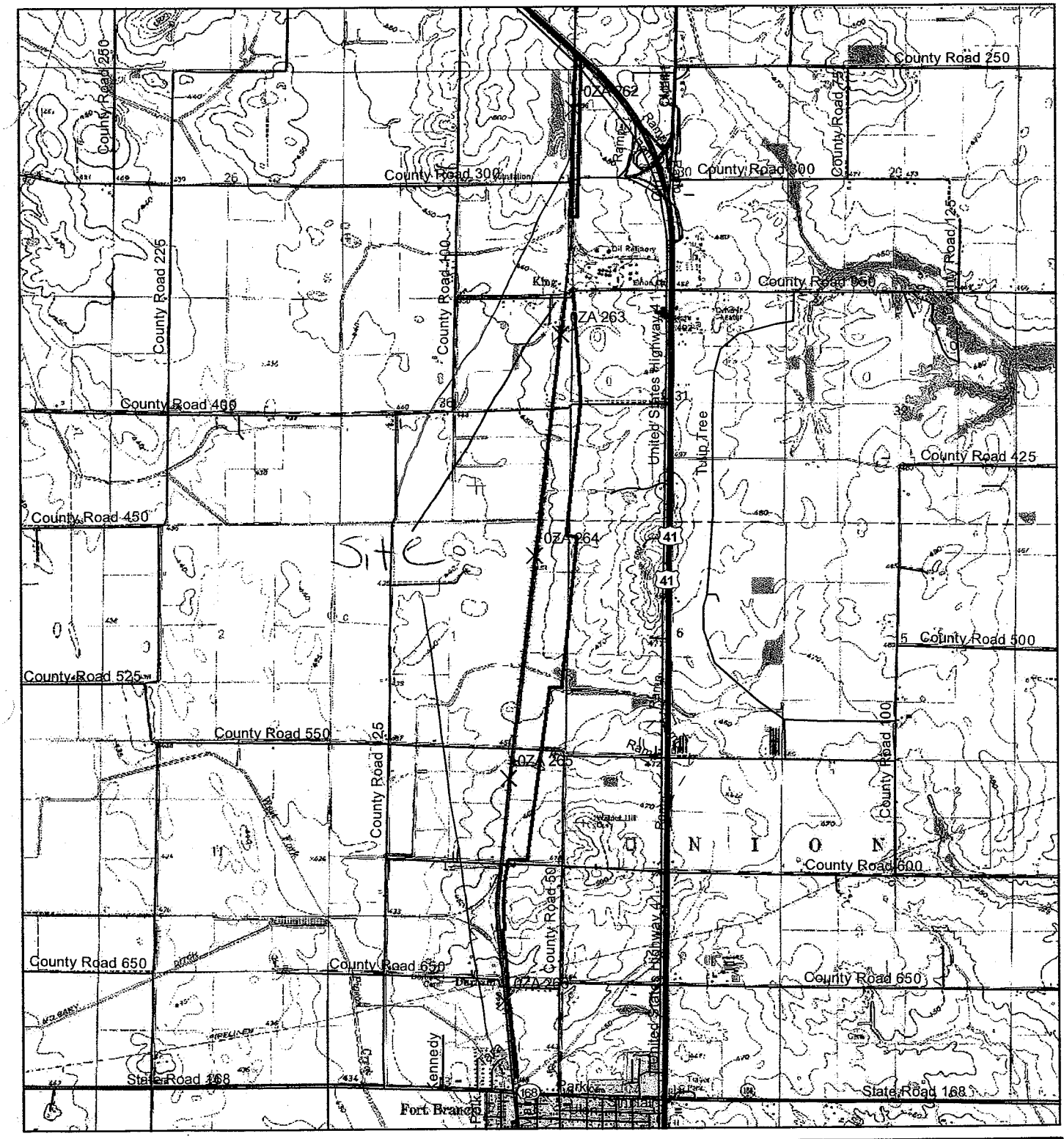
5. Project Description: The applicant proposes to construct a fueling, inspection, and re-crewing facility on approximately 180 acres located west of US 41 and north of Fort Branch. The project will involve the construction of a north and south line entering and exiting the service yard. The yard itself will have 6 rail lines with paved access roads between each line, onsite detention areas, material and storage areas, and a maintenance building. The proposed project will require the relocation of 4,210 linear feet of jurisdictional railroad side ditch and impacts to 2,503 linear feet of streams from crossings and channel shaping. Additionally, the applicant proposes to discharge clean earthen fill material into 0.33 acres of emergent and forested wetland. As compensatory mitigation for the proposed impacts, the applicant proposes to recreate the existing railroad side ditches with a bottom width of 2 feet with 2:1 side slopes and create 0.70 acre of emergent and forested wetland with a buffer 50 feet wide consisting of trees and shrubs. Additionally, the applicant proposes to construct a stream channel 2.6 miles in length along the eastern portion of the yard to channel all surface water flows around the site to the existing ditches that bisect the project. The stream channel will be constructed with a bottom width of 6 feet and 2:1 side slopes. Approximately 1,350 linear feet of stream will have a forested riparian corridor planted along both banks to compensate for the loss of riparian corridor from this project. No other mitigation is proposed.

Comment period: Any person or entity who wishes to submit comments or information relevant to the aforementioned project may do so by the closing date noted above. Only comments or information related to water quality or potential impacts of the project on water quality can be considered by IDEM in the water quality certification review process.

Public Hearing: Any person may submit a written request that a public hearing be held to consider issues related to water quality in connection with the project detailed in this notice. The request for a hearing should be submitted within the comment period to be considered timely. The request should also state the reason for the public hearing as specifically as possible to assist IDEM in determining whether a public hearing is warranted.

Questions? Additional information may be obtained from Mr. Jason Randolph, Project Manager, at 317-233-0467. Please address all correspondence to the project manager and reference the IDEM project identification number listed on this notice. Indicate if you wish to receive a copy of IDEM's final decision. Written comments and inquiries may be forwarded to -

Indiana Department of Environmental Management
100 North Senate Avenue
MC65-42 WQS IGCN 1255
Indianapolis, Indiana 46204-2251
FAX: 317/232-8406

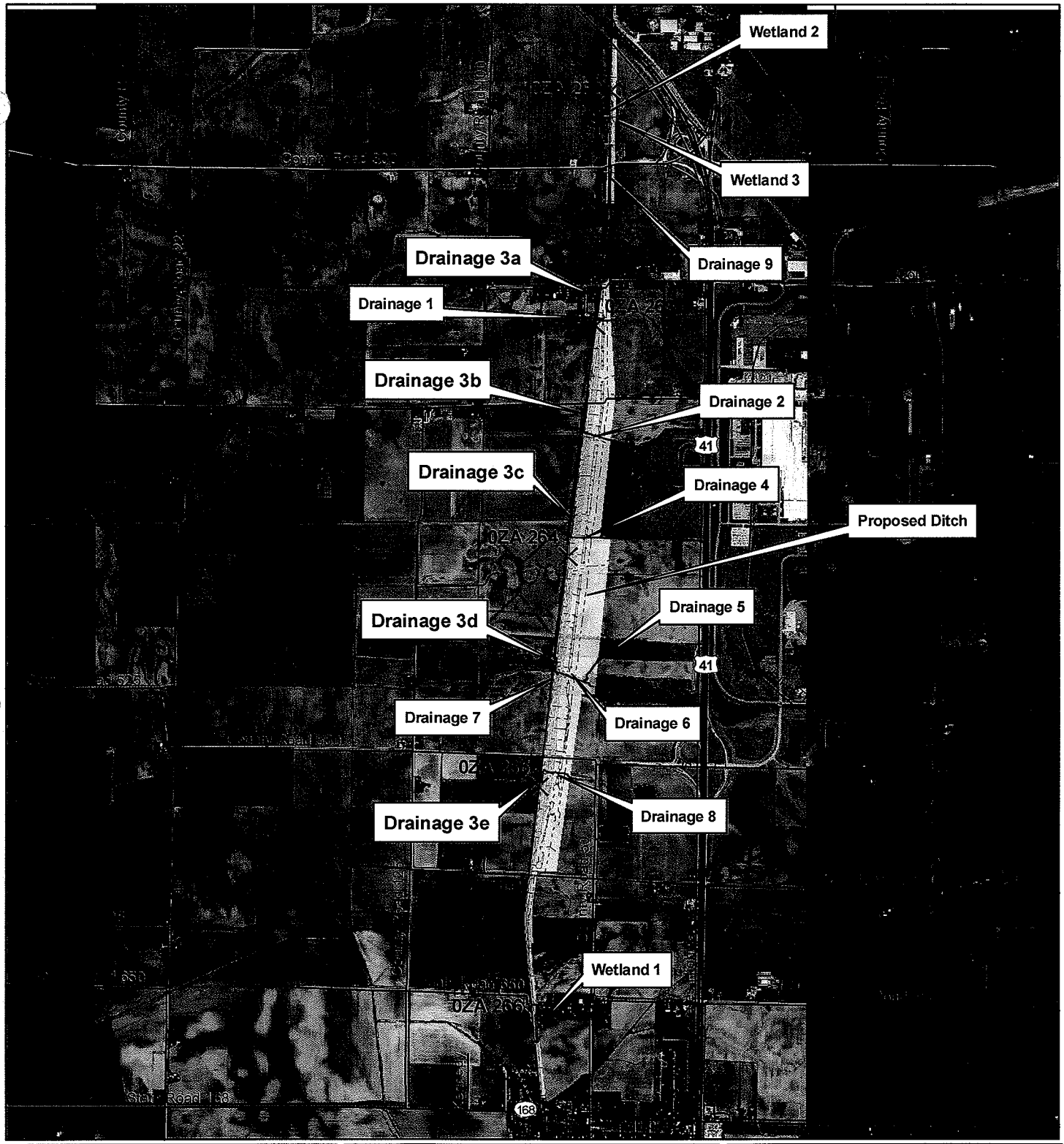


Legend
- X CSXT Milepost
- Roads

N W E

FIGURE 1
SITE LOCATION MAP

Prepared by: amec



Legend

- CSXT Milepost
- Proposed Track Alignment
- Proposed Site Drainage
- Railroad
- Roads
- Drainages
- Catchment Basins
- King Yard
- PEM Wetlands
- PFO Wetlands

0 250 500 1,000 1,500 Meters

Source Data: USGS Princeton Quadrangle; NAD 1983 UTM Zone 16N

FIGURE 2
OVERALL CONCEPT PLAN

Proposed King Yard Siding
(East Side of Existing Tracks)
M.P. OZA 261.7 - M.P. OZA 266.7
Gibson County, Indiana

AMEC Project No. 6-4300-7671

Prepared by:
amec
3800 Ezell Road, Suite 100
Nashville, Tennessee 37211
Phone: (615) 333-0630
Fax: (615) 781-0655

N

Prepared for:
CSX TRANSPORTATION
Jacksonville, Florida

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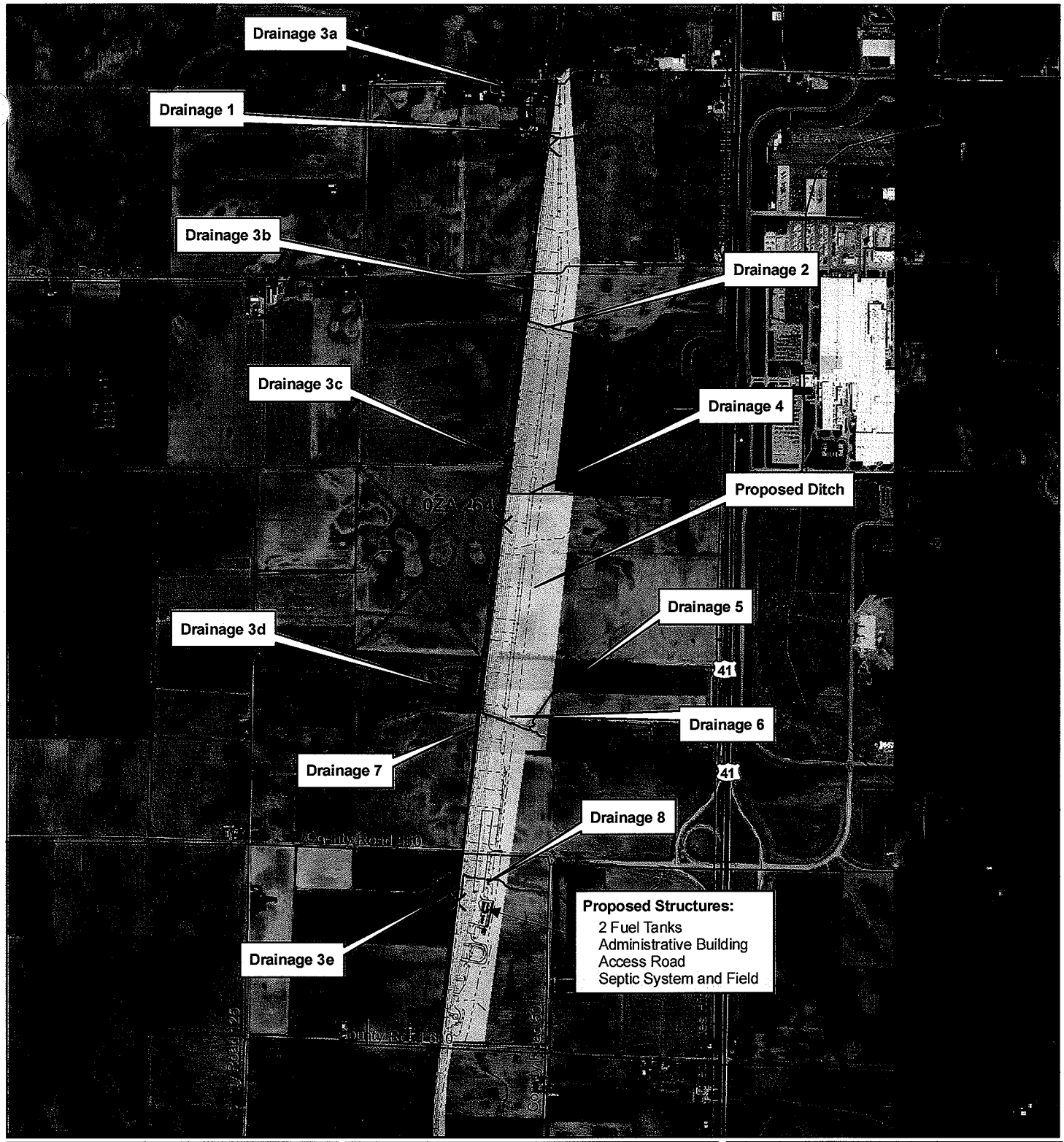

Legend

- CSXT Milepost
- Proposed Track Alignment
- Proposed Site Drainage
- Railroad
- Roads
- Proposed Structures
- Drainages
- Retention Ponds
- King Yard
- PEM Wetlands
- PFO Wetlands

0 250 500 1,000 Meters

Source Data: USGS Princeton Quadrangle; NAD 1983 UTM Zone 16N

FIGURE 3
CONCEPT PLAN OF RAIL YARD

Proposed King Yard Siding
(East Side of Existing Tracks)
M.P. OZA 261.7 - M.P. OZA 266.7
Gibson County, Indiana

AMEC Project No. 6-4300-7671

Prepared by:
amec
3800 Ezell Road, Suite 100
Nashville, Tennessee 37211
Phone: (615) 333-0630
Fax: (615) 781-0655

N

Prepared for:
CSX TRANSPORTATION
Jacksonville, Florida

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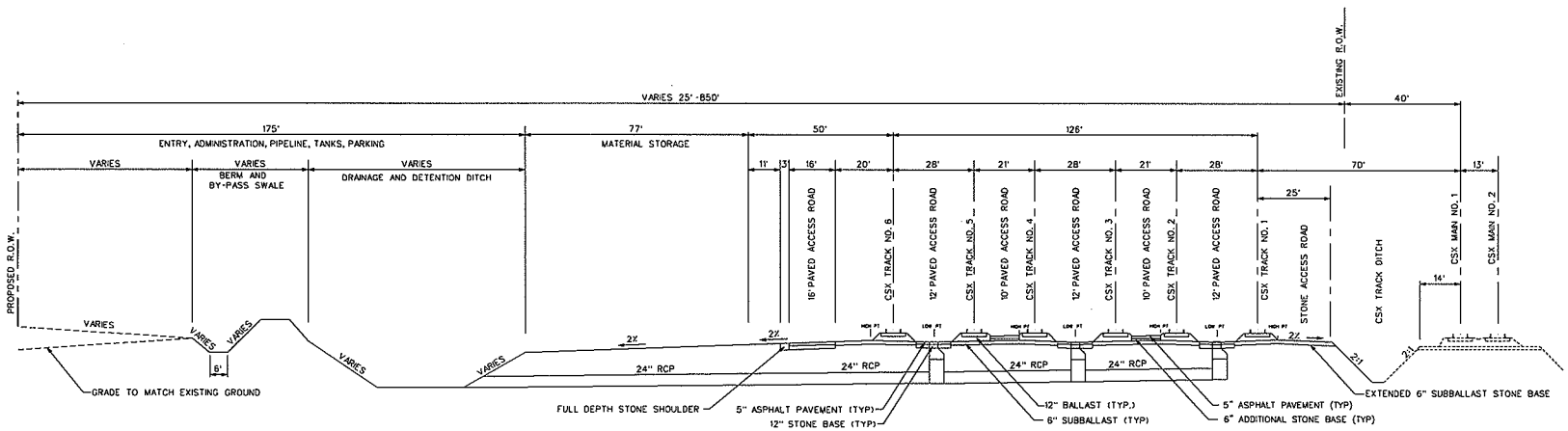

CSX KING YARD TYPICAL SECTION

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MILORD COMPANY
CONSTRUCTION | DESIGN-BUILD | MANAGEMENT

TranSystems
TranSystems Corporation
1001 Perimeter Drive
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Schaumburg, IL 60173
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F: 847-605-9910
www.transystems.com

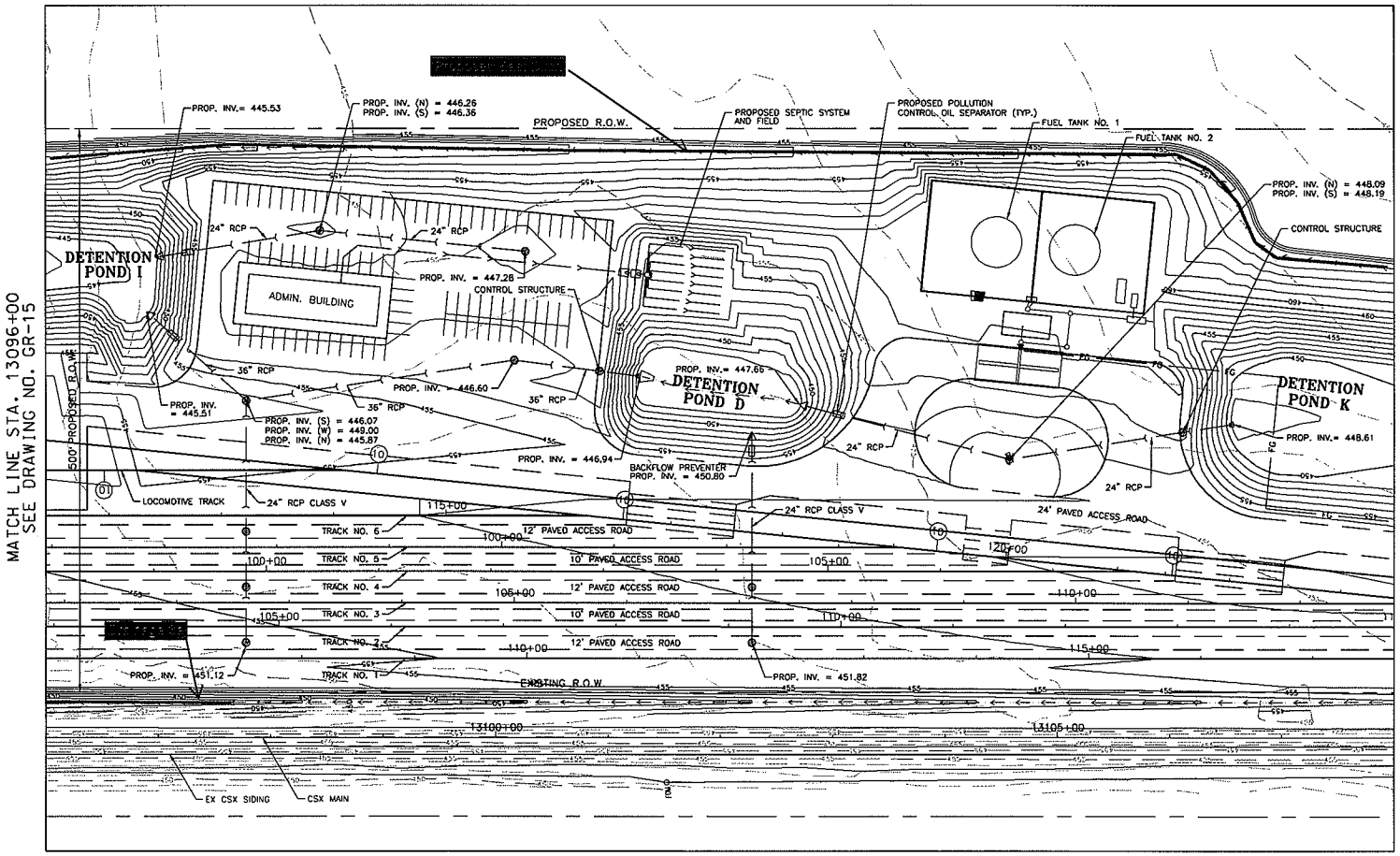
CSX TRANSPORTATION
ENGINEERING DEPARTMENT
TRANSPORTATION PROJECTS
JACKSONVILLE, FLORIDA

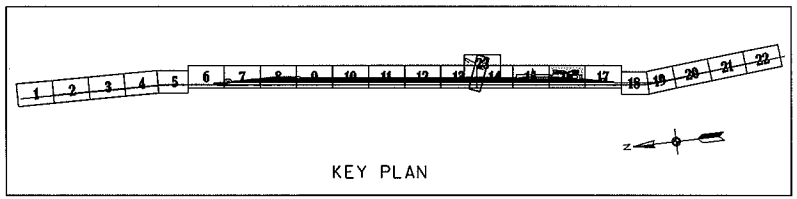
REVISIONS

PROPOSED TYPICAL SECTION
KING YARD
GIBSON COUNTY INDIANA
DIVISION: MIDWEST SUBDIVISION: CE&D

SCALE: NO SCALE	VAL. MAP	DRAWING NO.
DATE: 12-13-06	V230	TYP-01
DRAWN: DMC	10	
CHECKED: JWC		SHEET 1 OF 44

FIGURE 17





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LEGEND

- EXISTING POINT OF SWITCH
- FUTURE POINT OF SWITCH
- PROPOSED POINT OF SWITCH
- PROPOSED/EXISTING R.O.W
- ℄ EXISTING TRACKS
- ℄ PROPOSED TRACK
- ℄ FUTURE TRACK
- DRAINAGE DIVIDE
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS
- PROPOSED MAJOR CONTOURS
- PROPOSED MINOR CONTOURS
- DRAINAGE FLOW LINE
- PAVED ACCESS ROAD
- PROPOSED STORM PIPE
- PROPOSED CATCH BASIN/MANHOLE/ 2 YEAR CONTROL STRUCTURE
- EXISTING STORM PIPE
- PROPOSED END SECTION
- POLLUTION CONTROL OIL SEPARATOR (TYP.)
- BACKFLOW PREVENTER
- PROPOSED HEADWALL
- PROPOSED RIPRAP

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www.transystems.com

CSX TRANSPORTATION
ENGINEERING DEPARTMENT
TRANSPORTATION PROJECTS
JACKSONVILLE, FLORIDA

REVISIONS

PROPOSED GRADING AND DRAINAGE

KING YARD

GIBSON COUNTY INDIANA

DIVISION: MIDWEST SUBDIVISION: CE&D

SCALE: 1"= 50'	VAL. MAP	DRAWING NO.
DATE: 12-13-06	V230 / 10	GR-16
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FIGURE 19

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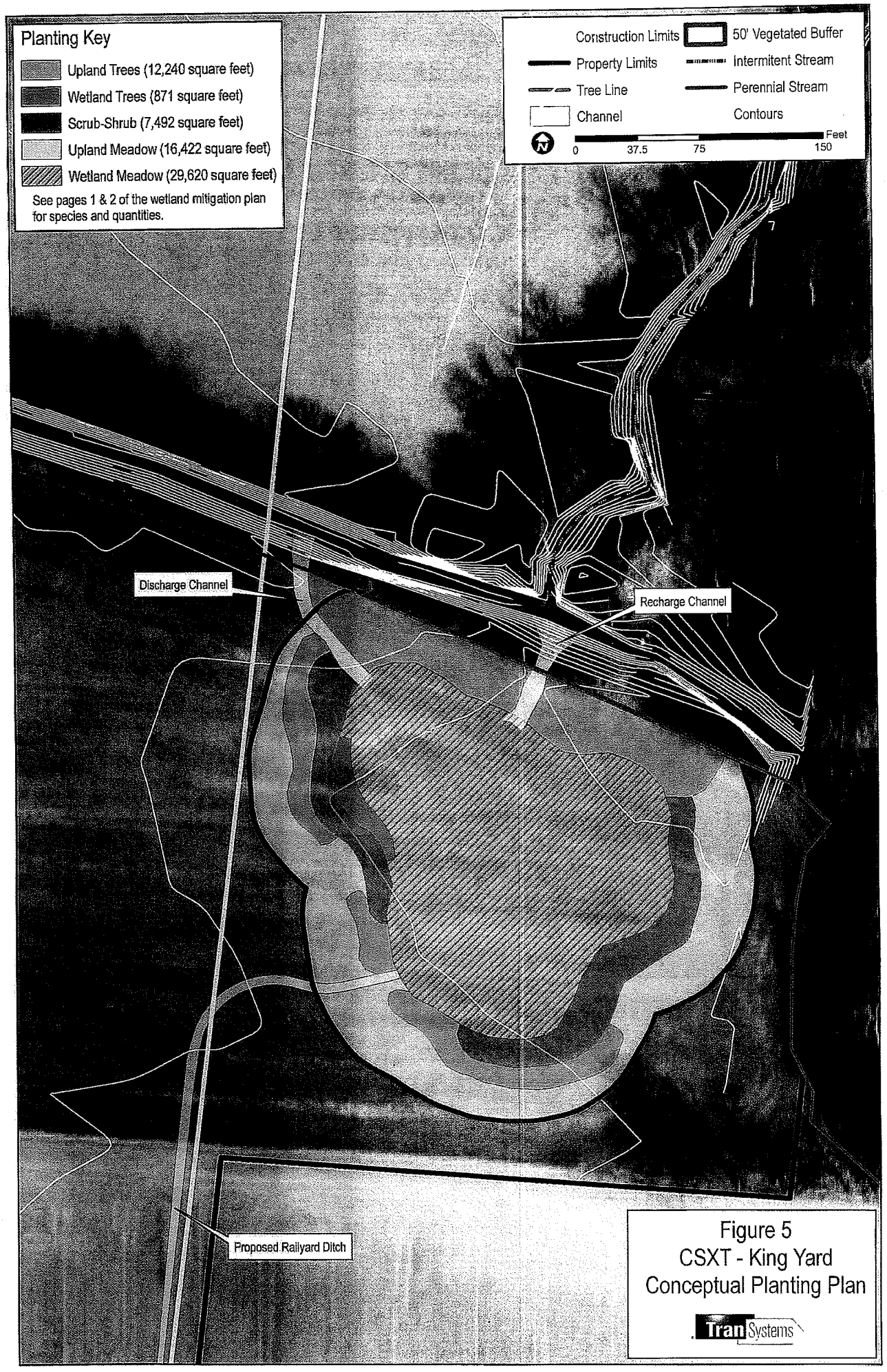

Figure 5
CSXT - King Yard
Conceptual Planting Plan

TranSystems

Table 1. Aquatic Resources to be Impacted by the Proposed King Yard Project (Supplement to Worksheet One)

Stream Name/Type[1]	Location (refer to Engineer Drawings; Figure 4-45)	Description of Impact	Length of Impact (Feet)	Width of Impact (Feet) (based on width of area between OHWL)	Area of Impact (Square Feet)	Volume of Fill Material (cubic yards per running foot)	Mitigation
Unnamed Tributary of West Fork Pigeon Creek; Drainage 1 (E)	Plan View (Figure 10) Cross Section Station 12991+97.14 (Figure 28)	– Culverted with double 48-inch RCP – Limited Bank Stabilization with Rip Rap, Minor stream realignment, and lowering of stream bed approximately 1-5 feet	Approximately 107 feet of culvert encapsulation Approximately 117 feet of additional impact	Approximately 3 feet	Approximately 672 square feet	0.6 cubic yards	None
Unnamed Tributary of West Fork Pigeon Creek; Drainage 2 (I)	Plan View (Figure 12) Cross Section Station 13017+58.19 (Figure 28)	– Culverted with 48 in H by 76in W elliptical RCP – Limited Bank Stabilization with Rip Rap, Minor stream realignment, and lowering of stream bed approximately 1-3 feet	Approximately 353 feet of culvert encapsulation Approximately 146 feet of additional impact	Approximately 3.5 feet	Approximately 1,746 square feet	1 cubic yards	None
Unnamed Tributary of West Fork Pigeon Creek; Drainage 3 (E/I) (includes five noncontiguous segments 3a-3e)	Plan View (Figures 9-14, 16, 18-19) Cross Section Station 13036+00.00 (Figure 29)	Reshaping and/or Relocation – Limited Bank Stabilization with Rip Rap when necessary	Approximately 2,885 feet of stream relocation Approximately 305 linear feet of Drainage 3d contains tree cover.	Approximately 1.5 feet	Approximately 4,328 square feet	< 1 cubic yards Compacted earthen fill from onsite soil borrow sources.	Relocated and replace stream channel at a 1:1 ratio [2] (approximately 2,885 feet of replacement) Forested Riparian Habitat Replacement [3] at a 1:1 ratio along proposed drainage channel (305 linear feet)

Table 1. Aquatic Resources to be Impacted by the Proposed King Yard Project (Supplement to Worksheet One)

Stream Name/Type[1]	Location (refer to Engineer Drawings; Figure 4-45)	Description of Impact	Length of Impact (Feet)	Width of Impact (Feet) (based on width of area between OHWL)	Area of Impact (Square Feet)	Volume of Fill Material (cubic yards per running foot)	Mitigation
Unnamed Tributary of West Fork Pigeon Creek; Drainage 4 (I)	Plan View (Figure 14) Cross Section Station 13037+54.71 (Figure 28)	– Culverted with a 60 inch RCP – Limited Bank Stabilization with Rip Rap, Minor stream realignment, and lowering of stream bed approximately 1-10 feet	Approximately 292 feet of culvert encapsulation Approximately 180 feet of additional impact	Approximately 3.5 feet	Approximately 1,652 square feet	3.2 cubic yards	None
Unnamed Tributary of West Fork Pigeon Creek; Drainage 6 (I)	Plan View (Figures 16 - 17) Cross Section Station 13071+89.13 (Figure 29)	–24 ft W by 7 ft H ConSpan (or per IDNR Permit Requirement) – Limited Bank Stabilization with Rip Rap, Minor stream realignment, and lowering of stream bed approximately 1-8 feet	Approximately 294 feet of culvert encapsulation Approximately 461 feet of additional impact Approximately 755 linear feet of this drainage contains tree cover.	Approximately 12.5 feet	Approximately 9,438 square feet	7.0 cubic yards	Forested Riparian Habitat Replacement[3] at a 1:1 ratio along proposed drainage channel (755 linear feet)
Unnamed Tributary of West Fork Pigeon Creek; Drainage 7 (E)	Plan View (Figure 17)	Limited Fill	Approximately 65 linear feet will be filled. Approximately 65 linear feet of this drainage contains tree cover.	Approximately 3.5 feet	Approximately 228 square feet	Approximately 34 cubic yards (total) Compacted earthen fill from onsite soil borrow sources.	Forested Riparian Habitat Replacement[3] at a 1:1 ratio along proposed drainage channel (approximately 65 linear feet)

Table 1. Aquatic Resources to be Impacted by the Proposed King Yard Project (Supplement to Worksheet One)

Stream Name/Type[1]	Location (refer to Engineer Drawings; Figure 4-45)	Description of Impact	Length of Impact (Feet)	Width of Impact (Feet) (based on width of area between OHWL)	Area of Impact (Square Feet)	Volume of Fill Material (cubic yards per running foot)	Mitigation
Unnamed Tributary of West Fork Pigeon Creek; Drainage 8 (I)	Plan View (Figure 18) Cross Section Station 13094+29.13 (Figure 29)	– Culverted with a 60 inch RCP – Limited Bank Stabilization with Rip Rap, Minor stream realignment, and lowering of stream bed approximately 1-5 feet	Approximately 328 feet of culvert encapsulation Approximately 160 feet of additional impact	Approximately 3 feet	Approximately 1,464 square feet	1.2 cubic yards	None
Unnamed Tributary of West Fork Pigeon Creek; Drainage 9 (I/E)	Plan View (Figures 6-7) Cross Section Station 12958+00.00 (Figure 30)	Reshaping and/or Relocation – Limited Bank Stabilization with Rip Rap when necessary	Approximately 1,325 linear feet of stream relocation Approximately 190 linear feet contains a line of trees on the left bank, and approximately 30 linear feet fall within a wooded area	Approximately 3 feet	Approximately 3,975 square feet of stream channel relocated	< 1 cubic yards Compacted earthen fill from onsite soil borrow sources.	Relocated and replace stream channel at a 1:1 ratio [2] (approximately 1,325 linear feet of replacement) Forested Riparian Habitat Replacement [3] at a 1:1 ratio along proposed drainage channel (approximately 220 linear feet)
Wetland 1	Plan View (Figure 24)	– Construction Staging	N/A	N/A	1,742	None	Wetland Construction at a 2:1 ratio [4]

Table 1. Aquatic Resources to be Impacted by the Proposed King Yard Project (Supplement to Worksheet One)

Stream Name/Type[1]	Location (refer to Engineer Drawings; Figure 4-45)	Description of Impact	Length of Impact (Feet)	Width of Impact (Feet) (based on width of area between OHWL)	Area of Impact (Square Feet)	Volume of Fill Material (cubic yards per running foot)	Mitigation
Wetland 2	Plan View (Figures 5-6)	– Compacted earthen fill from onsite soil borrow sources. – Excavation – Construction Staging	N/A	N/A	12,197	876 cubic yards (total) of fill 1 cubic yards of cut	Wetland Construction at a 2:1 ratio [4] Trees will be planted within wetland to compensate for 0.01 acre of forested wetland.
Wetland 3	Plan View (Figure 6)	– Compacted earthen fill from onsite soil borrow sources. – Excavation – Construction Staging	N/A	N/A	436	11.3 cubic yards (total) of fill 0.06 cubic yards of cut	

1. P = Perennial, E = Ephemeral, I = Intermittent
2. Stream Relocation at a ratio of 1:1 is required for Drainages 3 and 9. A total of approximately 4,210 linear feet of Drainages 3 and 9 with defined bed and bank will be impacted as result of this project along the existing mainline. Approximately 21,650 linear feet of stream will be either relocated or created along the existing mainline (i.e., railroad ditch) and approximately 13,700 linear feet of stream will be created on the eastern boundary of the site (i.e., proposed east ditch) as a result of this project.
3. Forested Riparian Habitat will be mitigated at a ratio of 1:1. Trees will be planted along a total of approximately 1,350 linear feet of stream. Trees will cover approximately 1.59 total acres along this stream segment. Total linear feet of stream impact was estimated from engineer cross sections and plan view drawings. Total acreage of forested riparian habitat lost was calculated in ArcGIS using 2005 1-foot high resolution color imagery from Indiana University Spatial Data Portal.
4. Wetland Mitigation at a ratio of 2:1 is required. Approximately 0.33 acres of wetland will be impacted as a result of this project. A minimum of 0.66 acres of palustrine emergent wetland with a palustrine forested wetland component will be constructed.